

# List of Plants



Chemid

CARVACROL

Dosage

LD50=810 (orl rat) Jim Duke's personal files.

LDLo=100 (orl rbt) Jim Duke's personal files.

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Plant Part	Low PPM	High PPM	StdDev	*Reference
Achillea millefolium	Leaf	--	--		*
Acinos suaveolens	Shoot	--	15.0	-0.62	Tumen, G. 1991. The Volatile Constituents of Acinos suaveolens (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2.
Anethum graveolens	Plant	--	--		*
Anethum graveolens	Seed Essent. Oil	--	--		*
Anethum graveolens	Leaf	165.0	450.0	0.13	*
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica sinensis	Root Essent. Oil	--	--		Jim Duke's personal files.
Artemisia annua	Shoot	40.0	1640.0	-0.43	*
Artemisia cina	Flower	--	--		*
Calamintha nepeta	Shoot	--	3.0	-0.62	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuglo, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Camellia sinensis	Leaf	--	--		*
Carum carvi	Seed	--	--		Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Carum carvi	Plant	--	--		*
Carum carvi	Seed Essent. Oil	--	595300.0		*
Chrysanthemum parthenium	Shoot	--	--		Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
Cinnamomum camphora	Plant	--	--		*
Coleus barbatus	Leaf Essent. Oil	--	2000.0		Jim Duke's personal files.
Coleus barbatus	Stem Essent. Oil	--	2000.0		Jim Duke's personal files.
Coridothymus capitatus	Shoot	--	18105.0	1.51	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Cunila origanoides	Shoot	--	504.0	-0.56	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

					from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dictamnus albus</i>	Shoot	--	80.0	-0.61	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dictamnus albus</i>	Shoot	--	15.0	-0.62	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Elytrigia repens</i>	Rhizome	--	55.0		Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Elytrigia repens</i>	Plant	--	50.0	-0.86	Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Gentiana lutea</i>	Essential Oil	--	--		Abstract (See species file)
<i>Glycyrrhiza glabra</i>	Root Essent. Oil	--	--		*
<i>Glycyrrhiza glabra</i>	Root	--	--		*
<i>Houttuynia cordata</i>	Plant	--	--		*
<i>Hyssopus officinalis</i>	Plant	--	1.0	-0.87	*
<i>Juglans nigra</i>	Essential Oil	--	9000.0	-0.97	*
<i>Juniperus sabina</i>	Plant	--	--		*
<i>Laurus nobilis</i>	Leaf Essent. Oil	--	--		*
<i>Levisticum officinale</i>	Root	--	--		Guenther, E., <i>The Essential Oils</i> , 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Lippia graveolens</i>	Leaf	--	--		*
<i>Lonicera japonica</i>	Flower	--	--		Schlotzhauer, W.S., S.D. Pair, and R.J. Horvat. 1996. Volatile constituents from the flowers of Japanese Honeysuckle. <i>J. Agric. Food Chem.</i> 44:206-209.
<i>Melia azedarach</i>	Essential Oil	--	--		*
<i>Mentha x piperita</i>	Essential Oil	--	--		*
<i>Mentha spicata</i>	Essential Oil	--	--		*
<i>Mentha spicata</i>	Leaf	--	--		Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Mentha pulegium</i>	Essential Oil	10000.0	20000.0	-0.93	*
<i>Mentha pulegium</i>	Plant	100.0	400.0	-0.81	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Micromeria juliana</i>	Leaf	--	1900.0	2.49	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot	--	17.0	-0.62	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria congesta</i>	Leaf	20.0	30.0	-0.55	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot	--	17.0	-0.62	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria myrtifolia</i>	Shoot	--	2.0	-0.62	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Monarda lindheimeri</i>	Plant	--	7024.0	0.1	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Monarda punctata</i>	Plant	4169.0	12507.0	0.86	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Monarda fistulosa</i>	Plant	93.0	19902.0	1.89	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Monarda citriodora</i>	Leaf	--	250.0	-0.19	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of <i>Monarda citriodora</i> var. <i>citriodora</i> grown in the United Kingdom. <i>J. Ess. Oil Res.</i> 6: 27-9.
<i>Monarda media</i>	Plant	--	2736.0	-0.49	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>

					Verlag, Berlin, 1969-1979.
<i>Monarda citriodora</i>	Plant	--	316.0	-0.82	*
<i>Monarda citriodora</i>	Flower	--	385.0		Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of <i>Monarda citriodora</i> var. <i>citriodora</i> grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
<i>Monarda russeliana</i>	Plant	--	528.0	-0.79	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Murraya koenigii</i>	Leaf	--	0.1	-0.6	*
<i>Myrtus communis</i>	Plant	2.0	3.0	-0.87	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Nepeta racemosa</i>	Shoot	--	170.0	-0.6	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. J. Ess. Oil Res. 5: 215-7.
<i>Nepeta cataria</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Nepeta racemosa</i>	Shoot	--	170.0	-0.6	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. J. Ess. Oil Res. 5: 215-7.
<i>Ocimum tenuiflorum</i>	Leaf	180.0	210.0	-0.26	*
<i>Ocimum basilicum</i>	Plant	--	--		*
<i>Ocimum gratissimum</i>	Plant	5.0	190.0	-0.84	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ocimum basilicum</i>	Shoot Essent. Oil	--	6800.0	-0.72	*
<i>Ocimum sanctum</i>	Leaf	180.0	210.0	-0.26	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Oenanthe javanica</i>	Shoot	--	--		*
<i>Origanum vulgare</i>	Essential Oil	136300.0	140000.0	-0.48	*
<i>Origanum syriacum</i>	Shoot	--	24850.0	2.3	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
<i>Origanum vulgare</i>	Shoot Essent. Oil	6000.0	795800.0	1.41	*
<i>Origanum vulgare</i>	Plant	--	12.0	-0.87	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
<i>Origanum vulgare</i>	Plant	--	6.0	-0.87	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
<i>Origanum sipyleum</i>	Shoot	--	18.0	-0.62	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
<i>Origanum onites</i>	Shoot	--	15420.0	1.19	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
<i>Origanum majorana</i>	Plant	1092.0	10920.0	0.64	*
<i>Origanum minutiflorum</i>	Shoot	16890.0	20000.0	1.73	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of <i>Origanum minutiflorum</i> O. Schwarz and P.H. Davis. J. Ess. Oil Res. 3: 445-446.
<i>Origanum vulgare</i>	Plant	6.0	640.0	-0.78	*
<i>Origanum majorana</i>	Essential Oil	388800.0	795000.0	1.96	*
<i>Origanum sipyleum</i>	Shoot	--	2050.0	-0.38	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
<i>Origanum vulgare</i>	Shoot	--	--		*
<i>Origanum vulgare</i>	Plant	--	23960.0	2.45	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
<i>Origanum syriacum</i>	Shoot	--	23765.0	2.18	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
<i>Origanum sipyleum</i>	Shoot	--	1025.0	-0.5	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
<i>Origanum onites</i>	Shoot	--	15420.0	1.19	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.

creticum					Verlag, Berlin, 1969-1979.
Origanum vulgare	Flower Essent. Oil	--	--		*
Origanum vulgare	Plant	1.5	3000.0	-0.45	*
Origanum sipyleum	Shoot	--	1025.0	-0.5	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142.
Origanum vulgare	Shoot	--	26865.0	2.54	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Origanum syriacum	Shoot	--	24850.0	2.3	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123.
Origanum onites	Plant	--	8310.0	0.28	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Peumus boldus	Leaf	--	6.0	-0.59	*
Piper nigrum	Fruit	--	--		*
Piper betel	Leaf	45.0	2350.0	3.22	*
Plantago asiatica	Flower	--	--		*
Plantago asiatica	Root	--	--		*
Plantago asiatica	Leaf	--	--		*
Plectranthus amboinicus	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Plectranthus amboinicus	Essential Oil	--	430000.0	0.6	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pycnanthemum nudum	Shoot	325.0	910.0	-0.52	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum virginianum	Shoot	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Rosmarinus officinalis	Leaf	--	6.0	-0.59	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaïd, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Plant	--	--		*
Rosmarinus officinalis	Leaf	5.0	6.0	-0.59	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaïd, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Shoot Essent. Oil	--	17300.0	-0.69	*
Rosmarinus officinalis	Leaf	--	5.0	-0.59	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaïd, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Sarracenia flava	Leaf Essent. Oil	--	--		*
Sarracenia flava	Essential Oil	--	--		*
Satureja cilicica	Shoot	--	3005.0	-0.27	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of Satureja cilicica P.H. Davis. J. Ess. Oil Res. 5: 547-548.
Satureja obovata	Shoot	1.0	115.0	-0.61	Fitoterapia No.60: 277.
Satureja obovata	Leaf	--	260.0	-0.17	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja hortensis	Plant	18.0	8800.0	0.35	*
Satureja subspicata	Plant	--	220.0	-0.84	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158.
Satureja obovata	Leaf	--	160.0	-0.34	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja obovata	Leaf	--	260.0	-0.17	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.
Satureja cuneifolia	Shoot	--	8760.0	0.41	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Satureja obovata	Leaf	--	680.0	0.51	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83.

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Satureja montana	Essential Oil	356000.0	412300.0	0.53	*
Satureja thymbra	Shoot	--	19830.0	1.71	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Schinus molle	Fruit	--	--		*
Stevia rebaudiana	Shoot	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Stevia rebaudiana	Flower	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Tamarindus indica	Fruit Essent. Oil	--	5000.0		*
Tanacetum parthenium	Shoot	--	--		Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
Teucrium gnaphalodes	Shoot	--	0.5	-0.62	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402.
Teucrium divaricatum	Leaf	--	9.0	-0.58	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium micropodioides	Leaf	--	32.0	-0.54	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium cyprium	Leaf	--	155.0	-0.34	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium kotschyianum	Leaf	--	360.0	-0.01	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium polium	Shoot	--	2.0	-0.62	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402.
Thymus zygis	Shoot	--	385.0	-0.58	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Thymus funkii	Shoot	--	--		Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus longicaulis	Shoot	--	8.0	-0.62	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus serpyllum	Plant	318.0	10505.0	0.59	*
Thymus capitatus	Plant	6700.0	7900.0	0.23	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Thymus riatarum	Shoot	--	2675.0	-0.31	Iglesias, J., Vila, R., Canigual, S., Bellakdhar, and Idrissi, A. 1991. Analysis of the Essential Oil of Thymus riatarum. J. Ess. Oil Res. 3: 43-4.
Thymus zygis	Shoot	350.0	3550.0	-0.2	De Cunha, A.P. and Salguiero, L.R. 1991. The Chemical Polymorphism of Thymus zygis ssp. sylvestris from Central Portugal. J. Ess. Oil Res. 3: 409-12.
Thymus funkii	Shoot	--	4.0	-0.62	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus longicaulis	Shoot	--	8.0	-0.62	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus orospedanus	Plant	--	2730.0	-0.49	J. Nat. Prod.
Thymus vulgaris	Essential Oil	16700.0	80200.0	-0.7	*
Thymus cilicicus	Shoot	--	0.1	-0.62	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of Thymus cilicicus Boiss. & Bal. J. Ess. Oil Res. 6: 97-8.
Thymus longicaulis	Shoot	--	8.0	-0.62	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus vulgaris	Plant	8.0	18720.0	1.72	*
Thymus zygis	Shoot	--	385.0	-0.58	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Thymus capitatus	Shoot	--	6130.0	0.1	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Fragr. J. 8: 331-7.
Thymus saturejoides	Shoot	--	20.0	-0.62	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. J. Ess. Oil Res. 5: 45-53.
Thymus vulgaris	Shoot	--	--		*
Thymus broussonettii	Shoot	--	5330.0	0.01	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. J. Ess. Oil Res. 5:

Trachyspermum ammi	Fruit	1350.0	2720.0		*
Valeriana officinalis	Root	10.0	195.0		*
Zea mays	Seed	--	--		*
Zea mays	Seed Essent. Oil	--	--		*
Zea mays	Silk Stigma Style	144.0	216.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.